

PROCEEDINGS OF



**RESEARCH
CONFERENCE**

Thirty-Eighth Annual Report

1993

Compiled and Edited by
BRYSON L. JAMES
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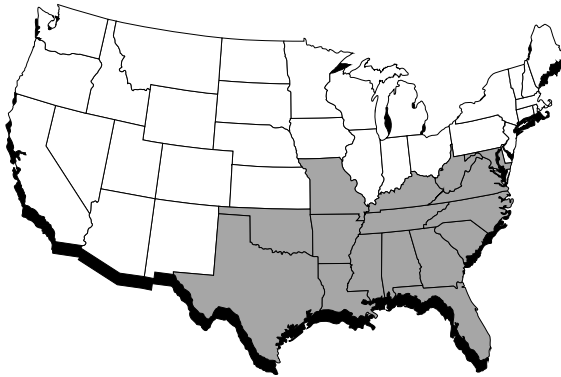
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SIXTEEN GREAT STATES and BEYOND!



Annual SNA Research Conference

This two-day Horticultural Research Conference is held annually in conjunction with the SNA Horticultural Trade Show and Convention—recognized by Tradeshow 200™ as one of the 200 largest trade shows in the U.S. The event is held in Atlanta and has become world-renowned for quality research. Participants are the top horticultural research and educational leaders representing the south's top universities. Nurserymen and industry participants are invited to attend any and all sessions. Research presented at the conference is published in the annual publication "SNA Research Conference Proceedings" contained herein. For more information on the SNA Research Conference or the SNA Horticultural Trade Show and Convention, contact the Southern Nurserymen's Association at the following address:

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We would like to extend our gratitude to all the researchers and nurserymen who attended our Conference and/or contributed to these Proceedings and continue to make this annual event an industry success.

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USING RESEARCH DATA SAFELY AND EFFECTIVELY

Good Research is conducted under an exact set of controlled conditions, varying only the specific treatments which are to be evaluated. Results from the specific treatments are directly applicable to your operations only if all the conditions in your operation are controlled the same as in the research. Unfortunately, this seldom happens. However, this does not mean that you can not benefit from the research. What it does mean is that you should use the research information on a trial basis first, if your plant species, soil type, watering method, size and age of plant, climatic region, etc. is different than that described by the researcher.

What an alert grower should expect to gain from these research reports is ideas - ideas as to the best control for insects, disease, nematodes and weeds - labor saving ideas such as chemical pruning and using growth regulators to minimize maintenance. Also, ideas on water management, nutrition, alternative growing media, new plants for landscaping and guides for improving profits and marketing skills.

Should you desire additional information on any report, please write to the author. Mailing addresses are listed in the back of this book. We would like to extend an invitation to you to attend all sessions of the Research Conference held in Atlanta each year in conjunction with the SNA Horticultural Trade Show.



**38th ANNUAL
SOUTHERN NURSERYMEN'S
ASSOCIATION**

**RESEARCH CONFERENCE REPORT
1993**

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Proceedings of the SNA Research Conference is published annually by the Southern Nurserymen's Association and one copy is provided at no charge to all SNA Members, Horticultural Libraries, and Contributing Authors.

It is the fine men and women in Horticultural Research that we, the Southern Nurserymen's Association, pledge our continued support and gratitude for their tireless efforts in the pursuit of the advancement of our industry.

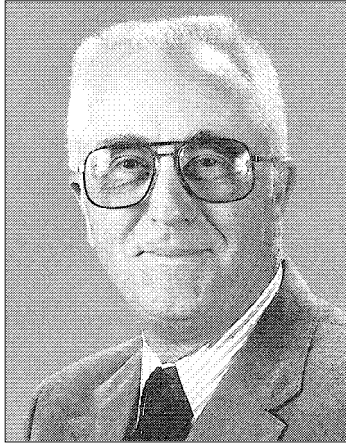
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**THE PORTER HENEGAR MEMORIAL AWARD
for
HORTICULTURAL RESEARCH
1993 RECIPIENT**



**Dr. Walter A. Skroch
Honored
By Southern Horticulturists**

The 1993 Porter Henegar Memorial Award was presented to Dr. Walter A. Skroch from North Carolina State University on Friday, July 31. This award, originally known as the Research Award of Merit, was created in 1968 to honor those who have made outstanding contributions to ornamental horticultural research and more specifically to the SNA. In 1972, the award was renamed the Porter Henegar Memorial Award to honor one of its past Executive Secretaries, Porter Henegar. The award is presented annually, and is continued by Mr. and Mrs. Thomas L. Henegar.

Dr. Skroch is a professor of Horticultural Weed Science and has been at NC State University since 1964. He has received the American Society for Horticultural Science Extension Award for his pesticide education and groundcover management. He received his B.S. in Agriculture and Biology Education from Wisconsin State University, M.S. in Horticulture and his Ph.D. in Pomology/Field Botany from the University of Wisconsin.

**THE
BRYSON L. JAMES
STUDENT RESEARCH COMPETITION**

1993 AWARDS

This long-standing program was renamed in August 1989, in honor of Dr. Bryson L. James, Director of Horticultural Research for the Southern Nurserymen's Association. Dr. James has been an active participant and leader in the annual Research Conference for more than 30 years and the award, named in his honor, is a tribute to his tireless efforts on behalf of the researchers, the association and the industry. Listed below are the guidelines for the Student Competition as well as this year's winners:

1. Any student of a university or college having researchers that participate in the Southern Nurserymen's Association Research Workers Conference and not more than a one (1) academic year removed from graduation and whose research was completed prior to graduation.
2. Research is to be that of the presenter and a part of his/her educational studies. Contract work, unless a part of a thesis or classroom report (credit given), is not acceptable since it may provide unlimited funding and an unfair advantage.
3. Each eligible university or college may enter up to two (2) students.
4. Previous first-place winners are not eligible.
5. The student must have submitted a title to the SNA Conference Chairman by the specified time in the Call For Titles. The paper should be submitted to the Section Chairman for the Student Paper Award no later than **July 1**. Also, a copy should be sent to the appropriate "topic" Section Chairman.
6. The paper should follow the guidelines for the SNA Research Workers Conference in relation to format and subject matter.
7. The student and his advisor should be listed as co-authors.
8. Oral presentation must be limited to seven (7) minutes. An additional three (3) minutes will be allotted for questions. A penalty of two (2) points per minute or part thereof for every minute over seven (7) minutes will be assessed.
9. Judging shall be based on preparation of the paper (50 points) and oral presentation (100 points). Total 150 points.

1993 AWARD WINNERS

1st Place - \$1,000.00	Patricia R. Knight, Auburn University
2nd Place - \$ 600.00	Laura G. Jull, North Carolina State Univ.
3rd Place - \$ 400.00	M. Thetford, North Carolina State Univ.

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